

IN THE CLAIMS

Claims 1-15 (Cancelled)

Claim 16 (New): An aerosol produced from a solution comprising:

a solubilized active material,

a propellant comprising HFA 227 and HFA 134a, and optionally,

a low volatility component, or a cosolvent, or both,

wherein the ratio of HFA 227:HFA 134a ranges from 10:90 to 90:10, and

wherein the MMAD of said aerosol is greater than 2 μ m and the fine particle dose (<4.7 μ m) is

>40%.

Claim 17 (New): The aerosol of Claim 16, wherein the fine particle dose (<4.7 μ m) is >50%.

Claim 18 (New): The aerosol of Claim 16, which comprises a low volatility component.

Claim 19 (New): The aerosol of Claim 16, which comprises a low volatility component which has a vapour pressure at 25°C lower than 0.1 kPa.

Claim 20 (New): The aerosol of Claim 16, which comprises a low volatility component which has a vapour pressure at 25°C lower than 0.05 kPa.

Claim 21 (New): The aerosol of Claim 16, wherein the low volatility component comprises a glycol, oleic acid or isopropyl myristate.

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Claim 22 (New): The aerosol of Claim 16, which comprises not more than 20% by weight of the low volatility component.

Claim 23 (New): The aerosol of Claim 16, which comprises at least 0.2% by weight of the low volatility component.

Claim 24 (New): The aerosol of Claim 16, which comprises a cosolvent.

Claim 25 (New): The aerosol of Claim 16, which comprises a cosolvent which has a vapour pressure at 25°C lower than 3 kPa.

Claim 26 (New): The aerosol of Claim 16, which comprises a cosolvent which has a vapour pressure at 25°C lower than 5 kPa.

Claim 27 (New): The aerosol of Claim 16, which comprises a cosolvent which is an alcohol.

Claim 28 (New): The aerosol of Claim 16, wherein the active material comprises a β 2 agonist.

Claim 29 (New): The aerosol of Claim 16, wherein the active material comprises a corticosteroid.

Claim 30 (New): The aerosol of Claim 16, wherein the active material comprises an anti-cholinergic drug.

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Claim 31 (New): An aerosol inhaler that produces the aerosol of Claim 16.

Claim 32 (New): An aerosol inhaler that produces the aerosol of Claim 17.

Claim 33 (New): An aerosol inhaler that produces the aerosol of Claim 16, wherein part or all of the internal surface(s) comprise stainless steel, anodized aluminum or an inert organic coating.